

SEQUENCE LISTING

<110> Center, David M.
 Cruickshank, William W.
 Kornfeld, Hardy

<120> IL-16 ANTAGONISTS

<130> Research Corporation Tech., Inc.

<140> 09/368,632
 <141> 1999-08-05

<160> 41

<170> PatentIn Ver. 2.1

<210> 1
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:IL-16 antagonist peptide

<220>
 <221> UNSURE
 <222> (1)
 <223> Xaa can be any amino acid

<220>
 <221> UNSURE
 <222> (4)
 <223> Xaa can be any amino acid

<400> 1
 Xaa Lys Lys Xaa
 1

<210> 2
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 2
 Cys Leu Leu Ser
 1

<210> 3
 <211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<220>
<221> UNSURE
<222> (1)..(3)
<223> Xaa can be any amino acid

<220>
<221> UNSURE
<222> (6)
<223> Xaa can be any amino acid

<400> 3
Xaa Xaa Xaa Leu Leu Xaa
1 5

<210> 4
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 4
Trp Gln Cys Leu Leu Ser
1 5

<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 5
Trp Gln Ala Leu Leu Ser
1 5

<210> 6
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 6

Trp Ala Cys Leu Leu Ser
1 5

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 7
Trp Gln Cys Glu Leu Ser
1 5

<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<220>
<221> UNSURE
<222> (1)
<223> Xaa can be any amino acid

<220>
<221> UNSURE
<222> (3)
<223> Xaa can be any amino acid

<220>
<221> UNSURE
<222> (5)..(6)
<223> Xaa can be any amino acid

<400> 8
Xaa Val Xaa Val Xaa Xaa
1 5

<210> 9
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 9
Val Val Gln Val Val Ala
1 5

<210> 10
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 10
Val Lys Gln Val Val Ala
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 11
Val Val Gln Lys Val Ala
1 5

<210> 12
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 12
Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu Glu
1 5 10 15

<210> 13
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 13
Gly Met Trp Gln Cys Leu Leu Ser
1 5

<210> 14
<211> 12
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 14

Thr Gly Leu Trp Gln Cys Leu Leu Ser Glu Gly Asp
1 5 10

<210> 15

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 15

Val Ser Glu Glu Gln Lys Val Val Gln Val Val Ala
1 5 10

<210> 16

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 16

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30

Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Leu
35 40 45

Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro
50 55 60

Thr Trp Ser Thr Pro Val Gln Pro Met
65 70

<210> 17

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 17

Thr Leu Thr Cys Glu Val Met Gly Pro Thr Ser Pro Lys Met Arg Leu
1 5 10 15

Thr Leu Lys Gln Glu Asn Gln Glu Ala Arg Val Ser Glu Glu Gln Lys
20 25 30

Val Val Gln Val Val Ala Pro Glu Thr Gly Leu Trp Gln Cys Leu Leu
35 40 45

Ser Glu Gly Asp Lys Val Lys Met Asp Ser Arg Ile Gln Val Leu Ser
50 55 60

Arg Gly Val Asn Gln Thr Val Phe
65 70

<210> 18

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 18

Val Ser Glu Glu Gln Lys
1 5

<210> 19

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 19

Val Val Gln Val Val Ala
1 5

<210> 20

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 20

Leu Ser Lys Gln Lys Met Val Ser Arg Glu Gly Thr
1 5 10

[illegible]

```
<400> 21
Val Ala Pro Glu Thr Gly
      1             5
```

<220>
<223> Description of Artificial Sequence:IL-16 antagonist peptide

```
<400> 22
Val Ile Gln Val Gln Ala
  1             5
```

<220>
<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 23
gggggggatgt ggaattgtct gctgagtgc 30

<220>
<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 24
gtcactcagc agacaattcc acatccccgc 30

-7-

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primer

<400> 25
atgtggcagt gtatactgag tgactcgga

30

<210> 26
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primer

<400> 26
tcccagtgca ctcaagtatac actgccacat

30

<210> 27
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 27
atgtggcagt gttcgctgag tgactcgga

30

<210> 28
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 28
tcccagtgca ctcaagagcac actgccacat

30

<210> 29
<211> 30

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:Oligonucleotide
 primer

<400> 29
 atgtggcagt gtctgataag tgactcggga 30

<210> 30
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 30
 tcccgactga cttatcagac actgccacat 30

<210> 31
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 31
 atgtggcagt gtctgtcgag tgactcggga 30

<210> 32
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 32
 tcccgagtca ctagccagac actgccacat 30

<210> 33
 <211> 73

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 33

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30

Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp Asn Cys Leu Leu
35 40 45

Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro
50 55 60

Thr Trp Ser Thr Pro Val Gln Pro Met
65 70

<210> 34

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 34

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30

Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp Gln Cys Ser Leu
35 40 45

Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro
50 55 60

Thr Trp Ser Thr Pro Val Gln Pro Met
65 70

<210> 35

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 35

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30

Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Ser
35 40 45

Ser Asp Ser Gly Gln Val Leu Glu Ser Asn Ile Lys Val Leu Pro
50 55 60

Thr Trp Ser Thr Pro Val Gln Pro Met
65 70

<210> 36

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 36

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30

Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp Gln Cys Ile Leu
35 40 45

Ser Asp Ser Gly Gln Val Leu Glu Ser Asn Ile Lys Val Leu Pro
50 55 60

Thr Trp Ser Thr Pro Val Gln Pro Met
65 70

<210> 37

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:IL-16 antagonist peptide

<400> 37

Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu
1 5 10 15

Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys
20 25 30